# CENTER FOR DRUG EVALUATION AND RESEARCH

# APPLICATION NUMBER: 64081

### **DRAFT FINAL PRINTED LABELING**



## CEFACLOR CAPSULES, USP 250 mg and 500 mg



RESCHIETURE Semisynthetic ceph-alosporia antibiotic for oral ad-ministration. It is chemically de-signated as 3-chloro-7-0-(2-phenyl-plycinamido) 3-cephen-4-carboxylic acid monohydrate.



C<sub>15</sub>H<sub>14</sub>ClN<sub>3</sub>O<sub>4</sub>S.H<sub>2</sub>O
MW 385.82
Each capsule contains cetaclor monohydrate squivalent to 250 mg (0.68 mmol) or 500 mg (1.36 mmol) cetaclor.

cos minus ou nog (1.30 minus)

lasative legradients: sodium starch
plycolate and sodium staarch
tumarate.

CAPSULE SHELL AND PRINT
CONSTITUENTS: D&C Yellow #10
Aluminum Lake, FD&C Blue #1 Alum
minum Lake, FD&C Blue #1 Alum
minum Lake, FD&C Blue #2
Aluminum disvida priority sodium lauriy suitaes, symtetic black
iron oxide and titanium disvida. The
black iron oxide and yellow iron
oxide.

#### CLINICAL PRARMACOLOGY

Streptococcus pyogenes (group A B-hemolytic streptococci)

A B-nemotytic sumptiococci Streptococcus pneumoniae Moraxella (Branhamella) catarrhalis Haemophilus influenzae, in-cluding 8-tactamase-producing ampicillin-resistant strains

Escherichia coli

Proteus mirabilis

Klebsiella sp Citrobacter diversus

Neisseria gonorrhoeae

Propionibacterium acnes and Bacteroides sp (excluding Bac-teroides fragilis)

Peptococci

Peplostreptococci

Note: Pseudomonas sp. Acineto-bacter caicoaceticus (formerly Mima sp. and Hereliea sp), and most strains of enterococci (Enterococcus

laccalls [formerly Streptococcus laccalls], group D streptococcis, laccalls], group D streptococcis, Enterobacter sp. indole-positive Proteus, and Serratia sp are resistant to cetacior. When lested by in vitro methods, staphylococci exhibit cross-resistance between cetaclor and methicillin-type antibiotics.

Drsk Susceptibility Tests Quantitative methods that require measurement of zone diameters give the most procise estimates of antibiotic susceptibility. One such procedure has been recommended for use with disks for testing susceptibility to cephalothin. The currently accepted one diameter interpretative criteria for the caphalothin disk are appropriate for determining bacterial susceptibility to cetaclor. With this procedure, a report from the laboratory of "resistant" indicates that the interting organism is not likely to respond to therapy. A report of "intermediate susceptibility suggests that the organism would be susceptible if the infection is contined to itssues and fluids (e.g., can be obtained or if high dosage is used.

### INDICATIONS AND USAGE

Cetaclor capsules are indicated in the treatment of the following infections when caused by susceptible strains of the designated microorganisms:

Otitis media caused by S. pneu-moniae, H. influenzae, staphy-lococci, and S. pyogenes (group A B-hemolytic streptococci)

Lawer respiratory infections in-cluding pneumonia, caused by S. pneumoniae, H. influenzae, and S. pyogenes (group A B-hemolytic streptococci)

Upper respiratory intections, in-cluding pharyngitis and tonsilitis, caused by *S. pyogenes* (group A 8-hemolytic streptococci)

Skin and skin structure infections caused by Staphylococcus aureus and S. pyogenes (group A 8-hemolytic streptococci)

Appropriate culture and susceptibility studies should be performed to determine susceptibility of the causative organism to cefactor.

#### CONTRAINDICATIONS

Cefacior is contraindicated in patients with known affergy to the cephalosporin group of antibiotics.

#### WARNINGS

WARHINGS
IN PENICILLIN-SENSITIVE PATIENTS, CEPHALOSPORIN ANTIBIOTICS SHOULD BE ADMINSTERED CAUTIOUSLY THERE IS
CLINICAL AND LABORATORY THERE IS
CLINICAL AND LABORATORY TO FUE
TOROGE OF PARTIAL CROSSALLERGENICITY OF THE PENICILLINS AND THE CEPHALOSPORINS AND THE CEPHALOSTANCES IN WHICH PATIENTS
MAVE HAD REACTIONS, INCLUDING
ANAPHYLAXIS, TO BOTH DRUG
CLASSES.

Antibiotics, including cefactor, should be administered cautiously to any patient who has demonstrated some form of allergy, particularly to drugs.

to orugs.

Pseudomembranous colitis has been reported with virtually all broadspectrum antibiotics (including 
macrolides, semisynthetic penicilities, 
and cephalosporins); therefore, it is 
important to consider its diagnosis 
in patients who develop diarrhaa in 
association with the use of antibiotics. 
Such colitis may range in severity 
from mild to life threatening.

Treatment with broad-spectrum antibiotics alters the normal flora of the colon and may permit overgrowth of clostridia. Studies indicate that a toxin produced by Clostridium difficial is a primary cause of antibiotic-associated colitis.

cause of antibiotic-associated colitis.

Mild cases of pseudomembranous
colitis usually respond to drug
discontinuance alone. In moderate
to severe cases, management should
include sigmoidoscopy, appropriate
bacteriologic studies, and fluid,
electrolyte, and protein supplementation. When the colitis does not
improve after the drug has been
discontinued, or when it is severe,
oral vancomycin is the drug of
colitic antibiotic-associated
pseudomembranous colitis produced
by C difficile. Other causes of
colitis should be ruled out.

#### PRECAUTIONS

Ceneral—If an allergic reaction to cefactor occurs, the drug should be discontinued, and, if necessary, the patient should be treated with appropriate agents, e.g., pressor amines, antihislamines, or corticosteroids.

teroids. Prolonged use of cefactor may result in the overgrowth of nonsusceptible organisms. Careful observation of the patient is essential. If superinfection occurs during therapy, appropriate measures should be taken

Bauer AW, Kirby WMM, Sherris
 JC, and Turck M: Antibiotic
 susceptibility lesting by a standardired single disk method. Am
 J Clin Pathol 1966,45.493. Standardized disk susceptibility teat
 Pederal Register 1974,39.19182-19184.

Positive direct Coombs' tests have been reported during treatment with the cephalosporin antibiotics. In he-matologic studies or in transfusion cross-matching procedures when antiglobulin tests are performed on the minor side or in Coombs' testing of newborns whose mothers have received cephalosporin antibiotics before parturition, it should be recognized that a positive Coombs' test may be due to the drug. Cetactor should be administered with

test may be due to the drug. Cefactor should be administered with caution in the presence of markedly impaired end included the control of th

As with other B-lactam antibiotics, the renal excretion of cefactor is inhibited by probenecid.

inhibited by probenedid
As a result of administration of
cetaclor, a false-positive reaction
for glucose in the urine may occur.
This has been observed with
Benedict's and Fehling's solutions
and also with Clinitest Eablets but
not with Tes-Tape® (Glucose Enzymatic Test Strip, USP).
Broad-spectrum antibiotics should
be prescribed with caution in
individuals with a history of
catroniestand disease, particularly
colitis.

Colitis

Usage in Pregnancy—Pregnancy
Category 8—Reproduction studies
have been performed in mice and
atlas at doses up to 12 times the
human dose and in terrets given 3
times the maximum human dose
and have revealed no evidence ol
impaired fertility or harm to the
tetus due to cefactor. There are,
however, no adequate and velicontrolled studies in pregnant
women. Because animal reproduction studies are not always
predictive of human response, this
drug should be used during
pregnancy only if ceatify needed.

Mussing Mothers-Small amounts of

pregnancy only if clearly needed. 
Mursing Mothers-Small amounts of 
cetaclor have been detected in 
mother's milk tollowing administration of single Solom Moses. 
Average fevels were 0.18, 0.20, 0.30,

Pediatric Use—Safety and effective-ness of this product for use in infants less than 1 month of age have not been established.

#### ABVERSE REACTIONS

ABVERS REACTIONS
Adverse effects considered to be related to therapy with cefaclor are listed below. 
Hypereensitivity reactions have been reported in about 1.5% of patients and include mobilistorm eruptions (1 in 100). Pruritis, urticaria, and positive Commis' tests each occur in less than 1 in 200 patients.

(1 in 100). Pruntis suffices and positive Coombis tests ach occur in lass than 1 in 200 patients.

Cases of serum-sickness-filke reactions have been reported with the use of cefacior. These are characterized by findings of erythema mutiliorme, rashes, and other skin manifestations accompanied by arthritis/arthraigia, with or without several manifestation and proteins are according a second (or subsequent) and more often occur during or following a second (or subsequent) and more often occur during or following a second (or subsequent) and more often occur during or following a second (or subsequent) course of therapy with celacion. Such reactions have been reported more frequently in children than in adults with an overall occurrence ranging from 1 in 200 (0.5%) in one focused trial to 2 in 6,346 (0.02%) in overall cinical trials (with an incidence in children in clinical trials of 0.05%) in 0 for 36,000 (0.003%) in spontaneous event reports. Signs and symptoms usually occur and subside within a few occasionally these of the several profess. And in the cessation of the rape occasionally these of the several profess occurring in children. Antihistamines and glucocorticoids appear to enhance resolution of the signs and symptoms was depended and profess and glucocorticoids appear to enhance resolution of the signs and symptoms. No serious sequelae have been reported.

Mors severa hypersansitivity reactions, including Stevens-Johnson syndroms and glucocorticoids appear to enhance resolution of the symptoms and glucocorticoids appear to enhance resolution of the symptoms and glucocorticoids appear to enhance resolution of the symptoms and

been reported.

Mors severe hypersansitivity reactions, including Stevens-Johnson
syndrome, toxic epidermal necrolysis, and anaphylaxis have been
reported rarely. Anaphylaxis may
be more common in patients with
a history of peniciliin allergy.

Gastrointestinal symptoms occur in
about 2.5% of patients and include
diarrhea (1 in 70).

Symptoms of pseudomembranous

diarrhea (1 in 1/0). Symptoms of pseudomembranous colitis may appear either during or after antibiotic treatment. Mausea and vomiting have been reported rarely. As with some penicidlins and some other cephalosporins, transient hepatilis and cholestatic jaundice have been reported rarely.

Other affects considered related to therapy included eosinophila (1 in 50 patients), genital pruritus or vaginitis (less than in 100 patients), and, rarely, thrombocy-topenia or reversible interstitial nephritis.

Causal Relationship Uncertain—

CNS—Rarely, reversible hyper-activity, apitation, nervousness, insomnia, confusion, hypertonia, dizziness, hallucinations, and somno-lerne have been reported.

Transitory abnormalities in clinical laboratory test results have been reported.

Although they were of uncertain etiology, they are listed below to serve as alerting information for the physician.

Hepatic—Slight elevations of AST (SGOT), ALT (SGPT), or alkaline phosphatase values (1 in 40).

pnospnatase values (1 in 40).

Hematopoietic—As has also been reported with other 8-lactam antibiotics, transient lymphocytosis, leukopenia, and, rarely, hemolytic anemia and reversible neutropenia of possible clinical significance.

of possible clinical significance. There have been rare reports of increased prothrombin time with or without clinical bleeding in patients receiving celactor and warfarin concomitantly.

\*Renal—Slight elevations in BUN or serum creatinine (less than 1 in 500) or abnormal urinalysis (less than 1 in 200).

#### OYERDOSAGE

SYGNESARE
Signs and Symptoms—The toxic
symptoms following an overdose of
cefacior may include nausea,
womiting, spigastric distress, and
diarrhea. The severity of the
epigastric distress and the diarrhea
are dose related. If other symptoms
are present, it is probable that they
are secondary to an underlying
disease state, an altergic reaction,
or the effects of other intoxication.
Treatment—To glatian unscludate.

or the effects of other indoxication.

Freatment—To obtain up-to-date information about the treatment of overdose, a good resource is your certified Regional Poison Control Center. Telephone numbers of Center Telephone numbers of Center Telephone numbers of Center (POR). In managing overdosape, consider the possibility of multiple drug overdoses, interaction among drugs, and unusual drug kinetics in your patient. Unless 5 times the normal dose of cefacior has been ingested, gastrointestinal decontamination will not be necessary.

be necessary.

Protect the patient's airway and Protect the patient's airway and support ventilation and perfusion. Meticulously monitor and maintain, within acceptable limits. The patient's vital signs, blood gases, serun electrolyles, atc. Absorption of drugs from the gastionitestinal tract may be decreased by airway activated charcoal, which, in many cases, is more effective than cases, is more effective than cases, is more effective than cases or lavage; consider charcoal instead of or in addition to gastric emptying. Repeated doses of harcoal over time may haste elimination of some drugs that have been absorbed. Safeguard the patient's airway when employing of gastric emptying or charcoal.

forced diuresis, peritoneal dialysis, hemodialysis, or charcoal hemo-perfusion have not been established as beneficial for an overdose of cefacior.

### DOSAGE AND ABMINISTRATION

COLAGE AND ADMINISTRATION
Cefacior capsules are administered
orally.
250 mg every 8 hours. For more
savers infections (such as pneu-mons) robust caused by less
susceptible organisms, doses may
be double

be doubled.

Cefactor may be administered in the presence of impaired renal function. Under such a condition, the dosage usually is unchanged (see PRECAUTIONS).

(see PRECAUTIONS).

In the treatment of 6-hamolytic streplococcal infections, a therapeutic dosage of celacior should be administered for at least 10 days.

HOW SUPPLIEB

Celaclor Capsules, USP are supplied as follows:
250 mg. White opaque cap and gray opaque body, imprinted "810-CRAFT 223", in bottles of 15 (NDC 0332-2306-09), 500 (NDC 0332-2306-13), 500 mg. Red opaque cap and white opaque cap and white opaque cap in the company imprinted "324", in bottles of 15 (NDC 0332-3210-13), 500 (NDC 0332-3210-13), 500 (NDC 0332-3210-13), 500 (NDC 0332-3210-13), 500 at controlled room temperature ≈ 15", 30" (59" - 86").

CAUTION—Federal (USA) law prohibits dispensing without prescription.

Manufactured by Biocraft Laboratories, Inc. Elmwood Park, NJ 07407

April 1994



NDC 0332-3206-24 15 Capsules 15 Capsules **CEFACLOR** CEFACLOR CAPSULES USP 250 mg

¥ 5 Mfd. by: Biocraft Laboratories, Inc. Elmwood Park, NJ 07407 1193

Keep tightly closed

Dispense in a tight, light-resistant container, Store at controlled room temperature 15°-30°C (59°-86°F).

Store at controlled room (59°-86°F).

temperature

15°-30°C

Keep tightly closed.

Dispense

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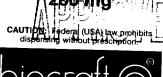
tight,

light-resistant container.

100 Capsules

NDC 0332-3206-09

**CEFACLOR CAPSULES USP** 



Each capsule equivalent to 250

6 Usual Adult Dosage: 250 mg three Por Severe infections, this dosag doubled. See accompanying literature 206-0 332-3 Zσ

monohydrate

Each capsule contains contains contains contains

500 Capsules NDC 0332-3206-13 **CEFACLOR** 

CAPSULES USP



Usual Adult Dosage: 250 and three times a day. For severe infections: this dosage may be doubled. See accompanding the ature. 20 0332-3 Zო

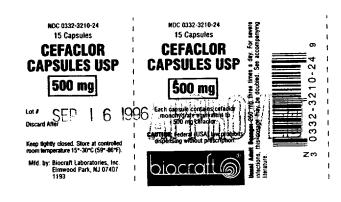
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SEP

EX C

Mfd. by: Biocraft Laboratories, Inc. Elmwood Park, NJ 07407 1193

250 mg CAUTION: Federal (USA) law prohibits dispensing without prescription.



Mfd. by: Biocraft Laboratories, Inc.

EX C

Store at controlled room temperature 15°-30°C (59°-86°F). 100 Capsules Dispense in a tight, light-resistant 966 9 Keep tightly closed.

NDC 0332-3210-09 **CEFACLOR** 500 mg CAUTION: Federal (USA) adispensing without press

monohydrate Usual Adult Dosager 2017 three times a For Severe integration three times a doubled. See accompanying lierature. cefacior Each capsule

day. be

9 210-0 332-3 z n

Mfd. by: Biocraft Laboratories, Inc. Elmwood Park, NJ 07407 Dispense Store at controlled (59°-86°F). 500 Capsules Keep tightly closed.

room

temperature

3

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tight,

light-resistant

container. 15°-30°C NDC 0332-3210-13 <u>8</u>

monohydrate

Each capsule contains cefaclor equivalent to 500 mg cefacior.

**CEFACLOR CAPSULES USP** 

500 mg CAUTION: Federal (USA) law prohibits dispensing without prescription.



Usual Adult Dosage: 250 mg three times a day. For severe infections, this dosage may be doubled. See accompanying literature. ന က 210-1 332-3 Zσ

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